

การฝึกอบรมเชิงปฏิบัติการ

เรื่อง

การประยุกต์ใช้ชุดแบบจำลอง

*Decision Support Framework (DSF)*

โดย

นายวินัย วังพิมุล

วิศวกรชำนาญการพิเศษ

16-18 สิงหาคม 2560



# IQQM Model Input & Output

# IQQM data needs

## Minimum data

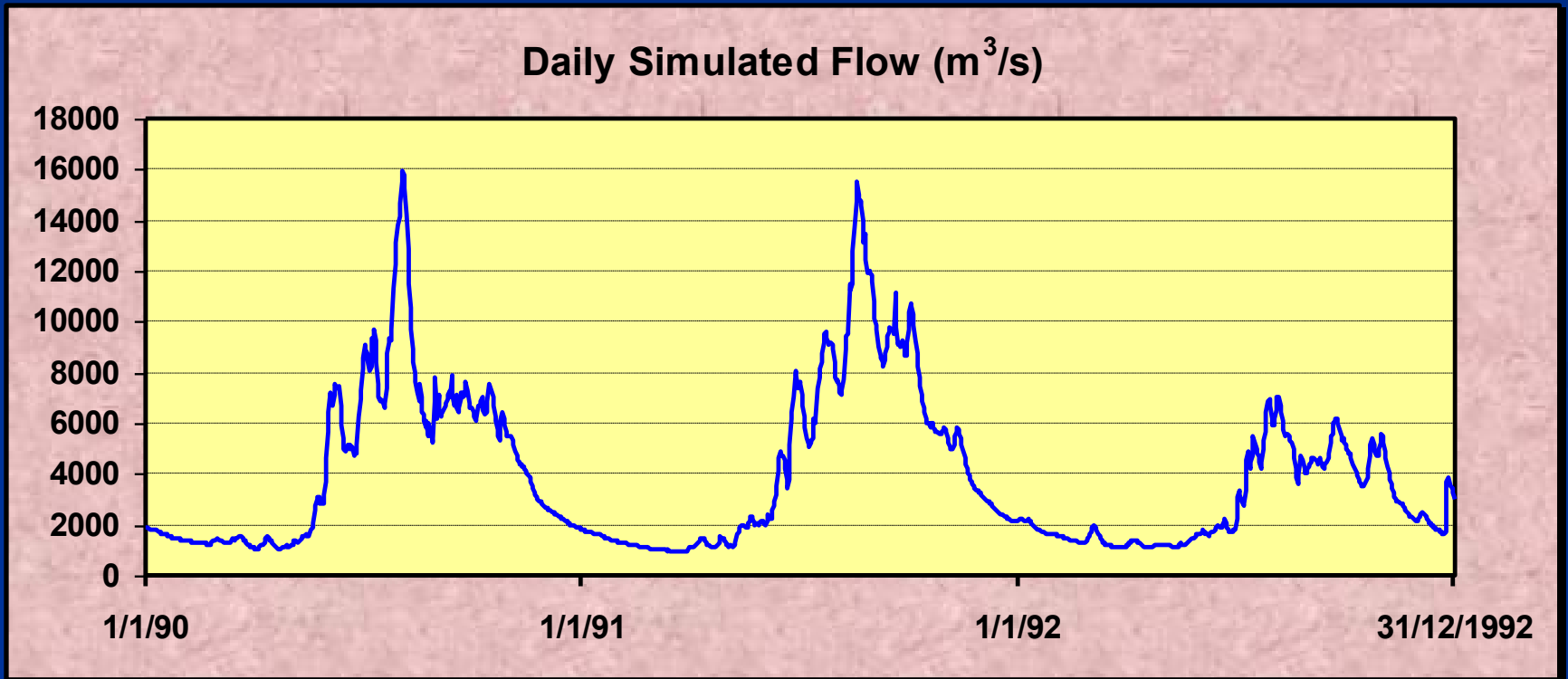
- Catchment
- Rainfall
- Streamflow
- Evaporation
- Storages
- Diversion locations
- Water use

## Desirable additional where available/appropriate

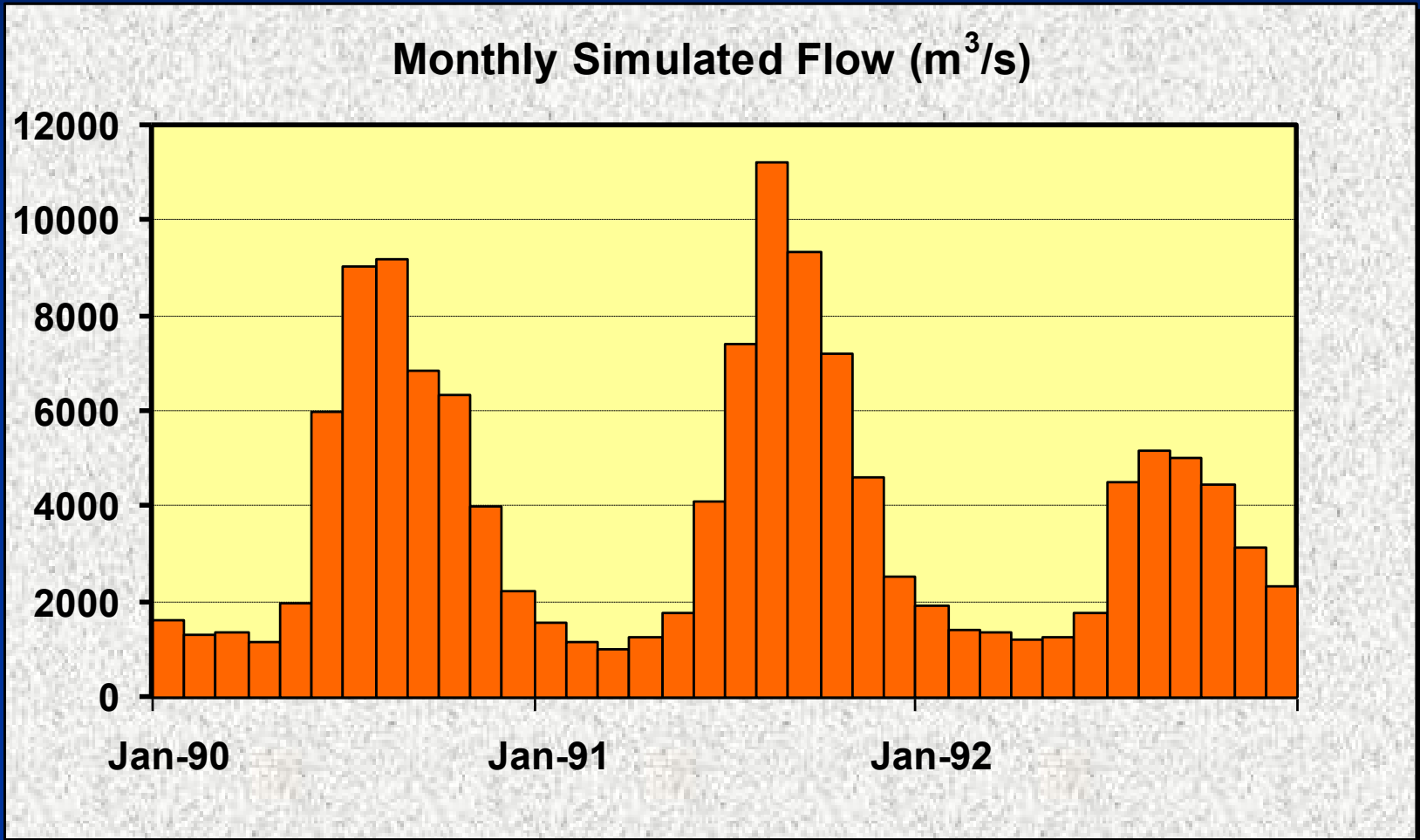
- Actual water use
- Crop Calendar
- Crop types and areas
- Actual pump capacities
- Soil properties
- Existing operating rules

# *IQQM Model Outputs*

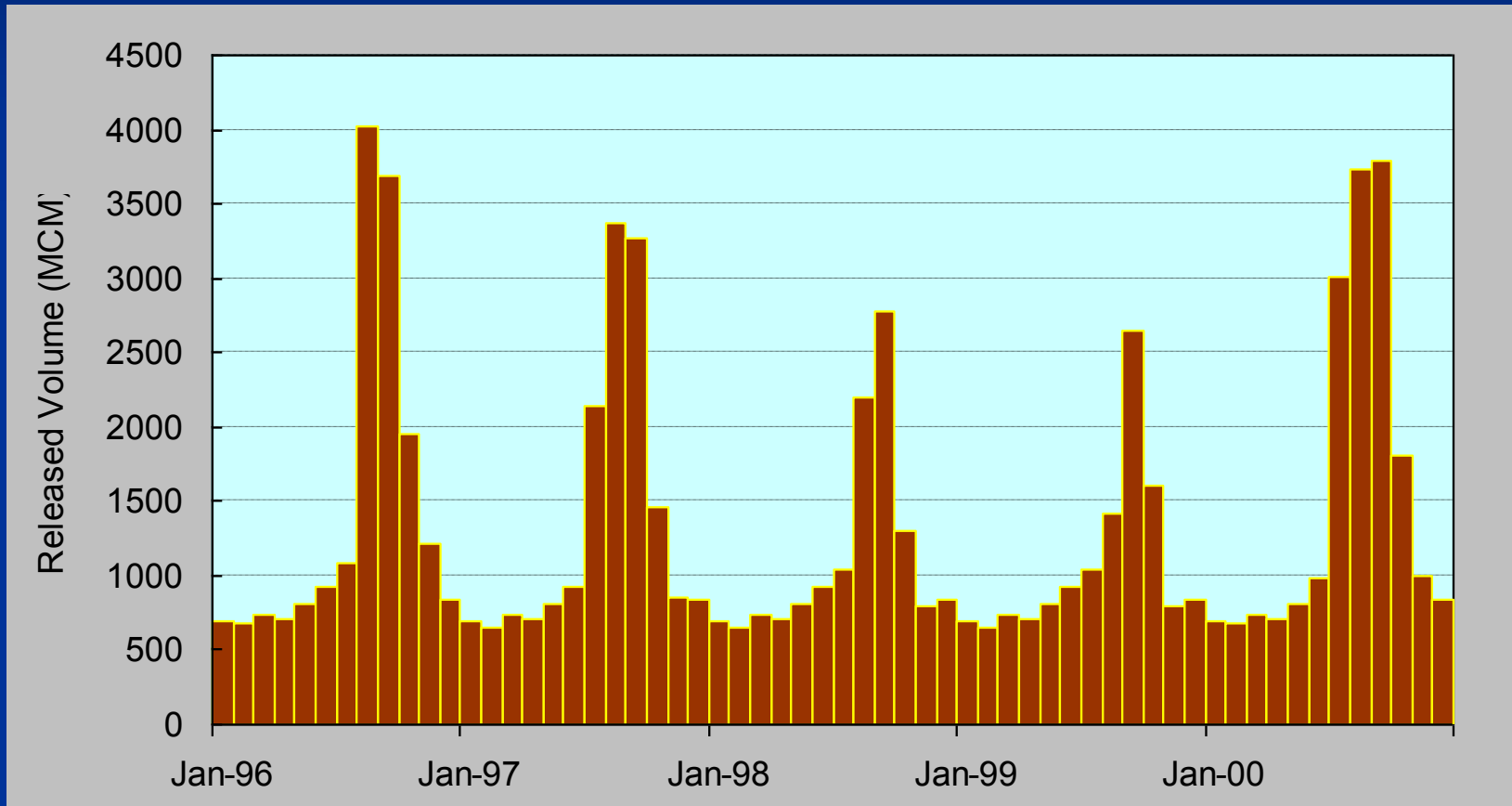
# ***FLOW HYDROGRAPHS***



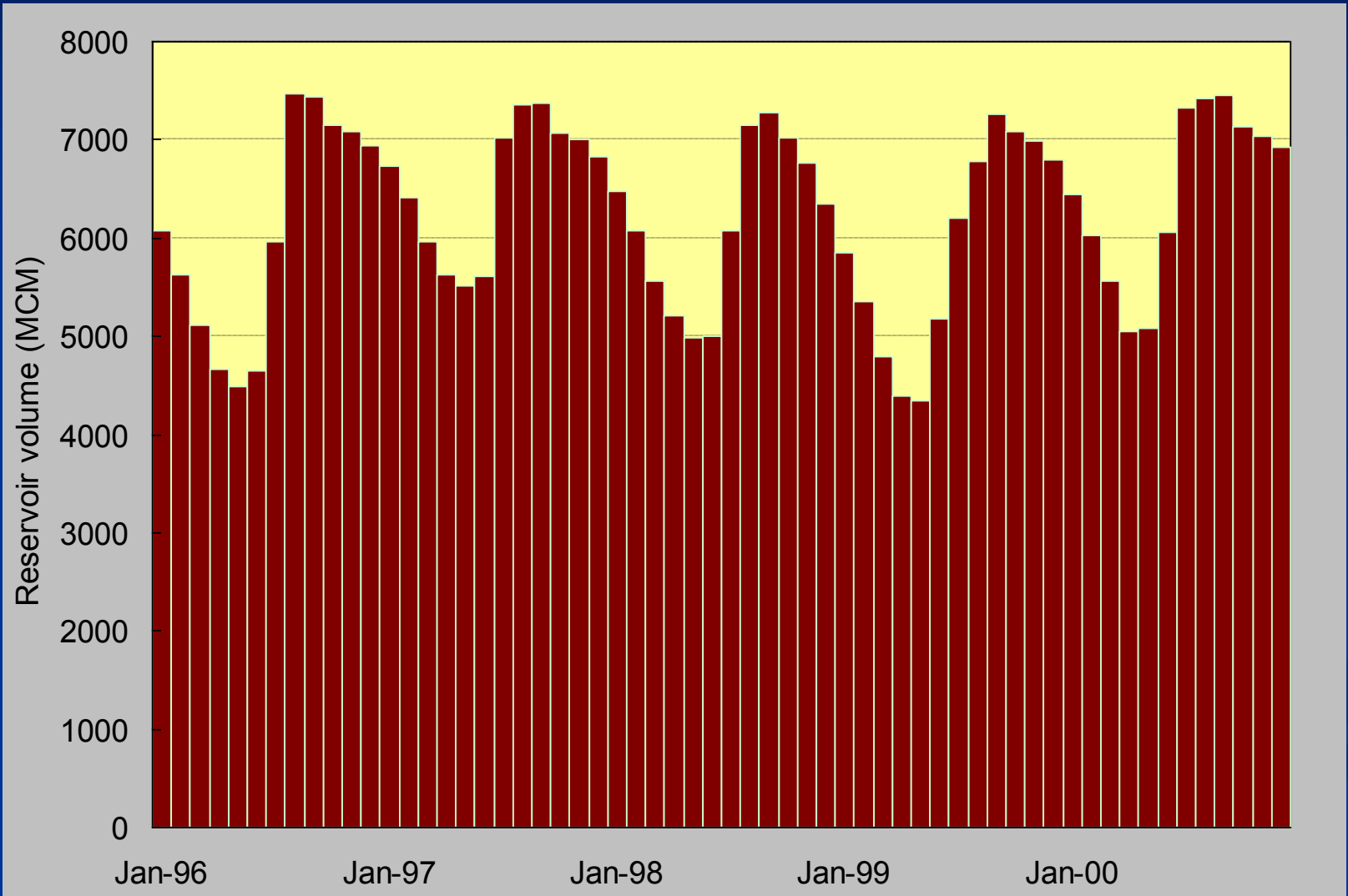
# ***FLOW HYDROGRAPHS***



# ***RESERVOIR MONTHLY RELEASE***

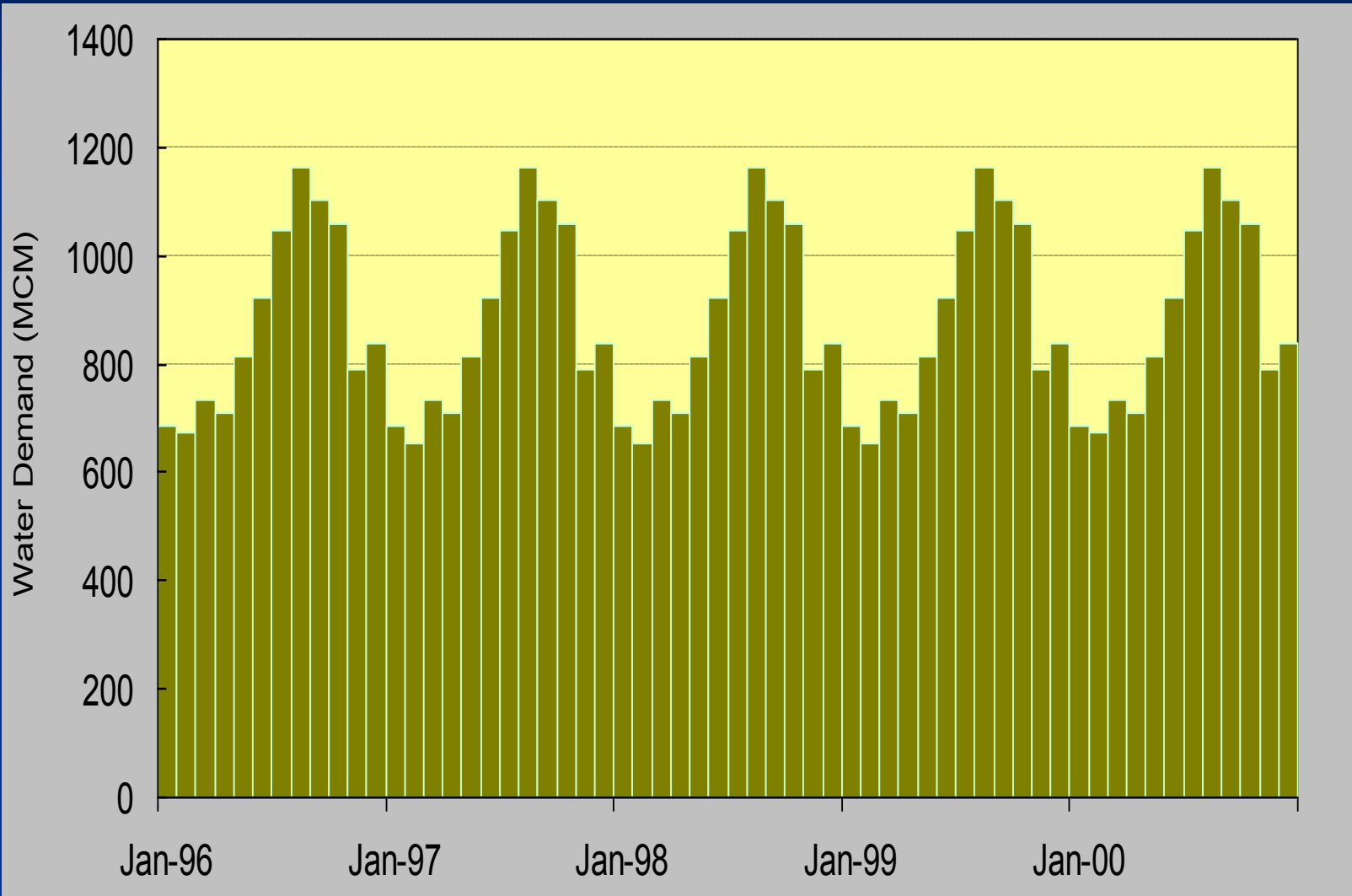


# ***MONTHLY RESERVOIR VOLUME***

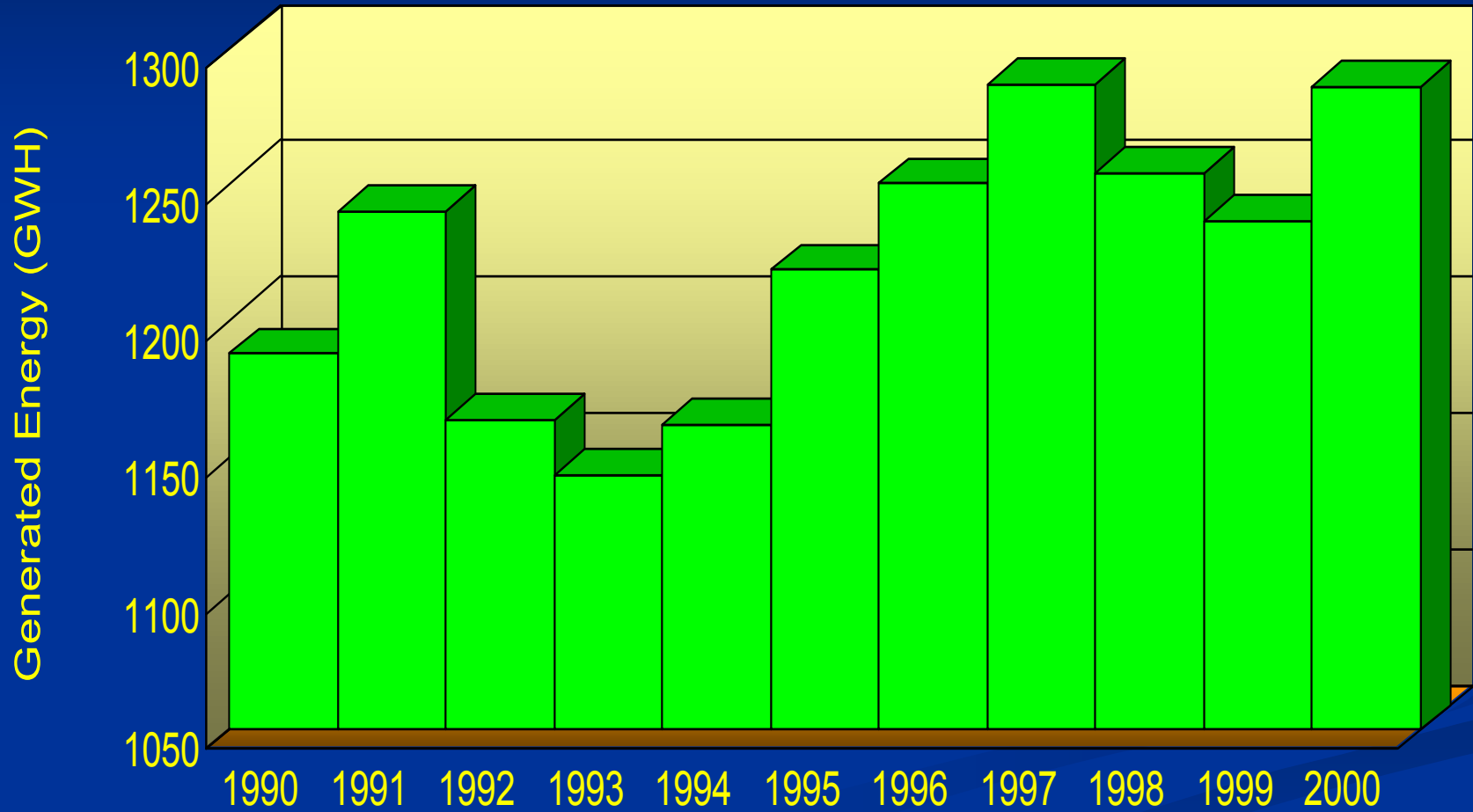




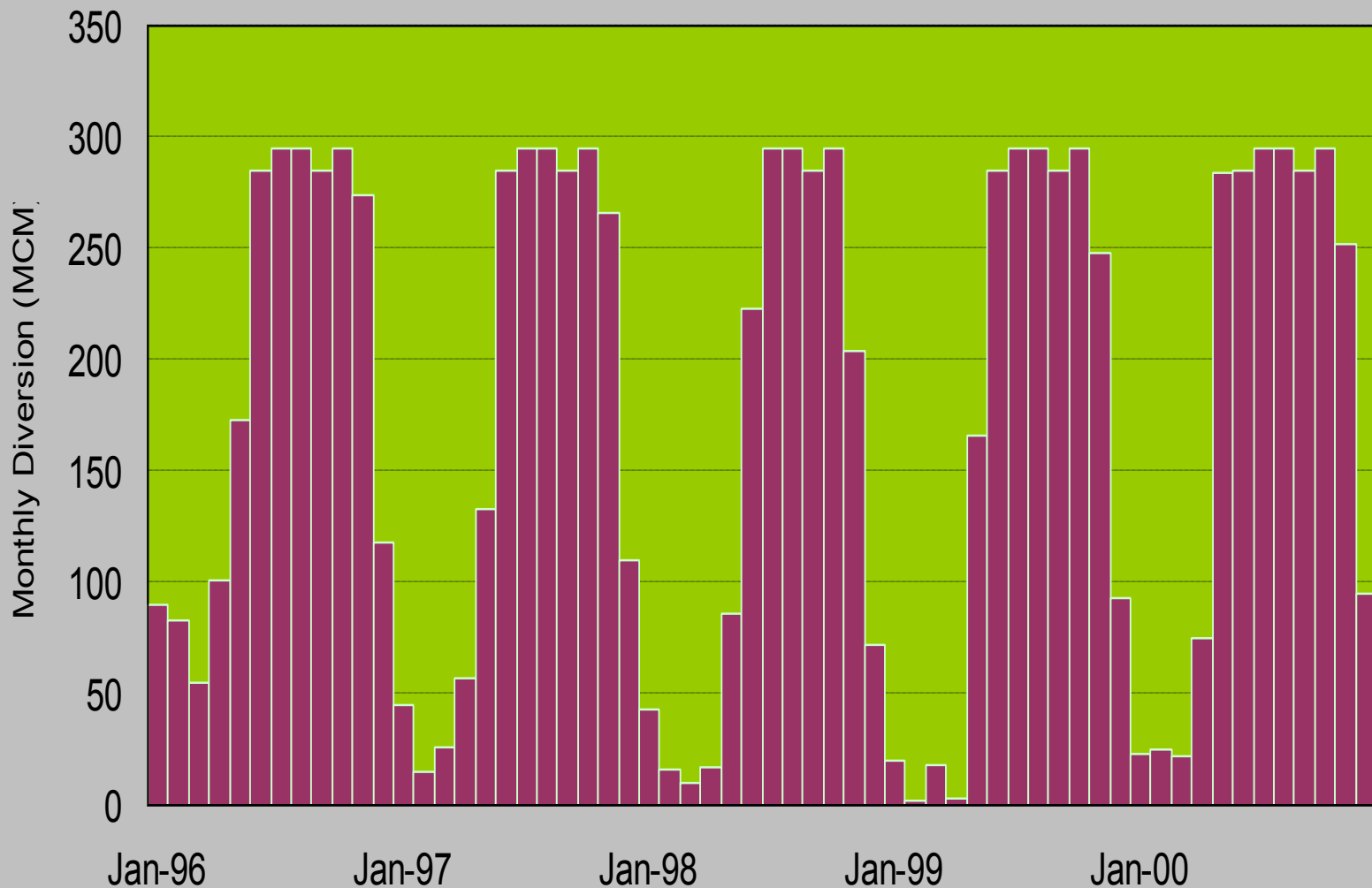
# ***DOWNSTREAM MONTHLY DEMAND***



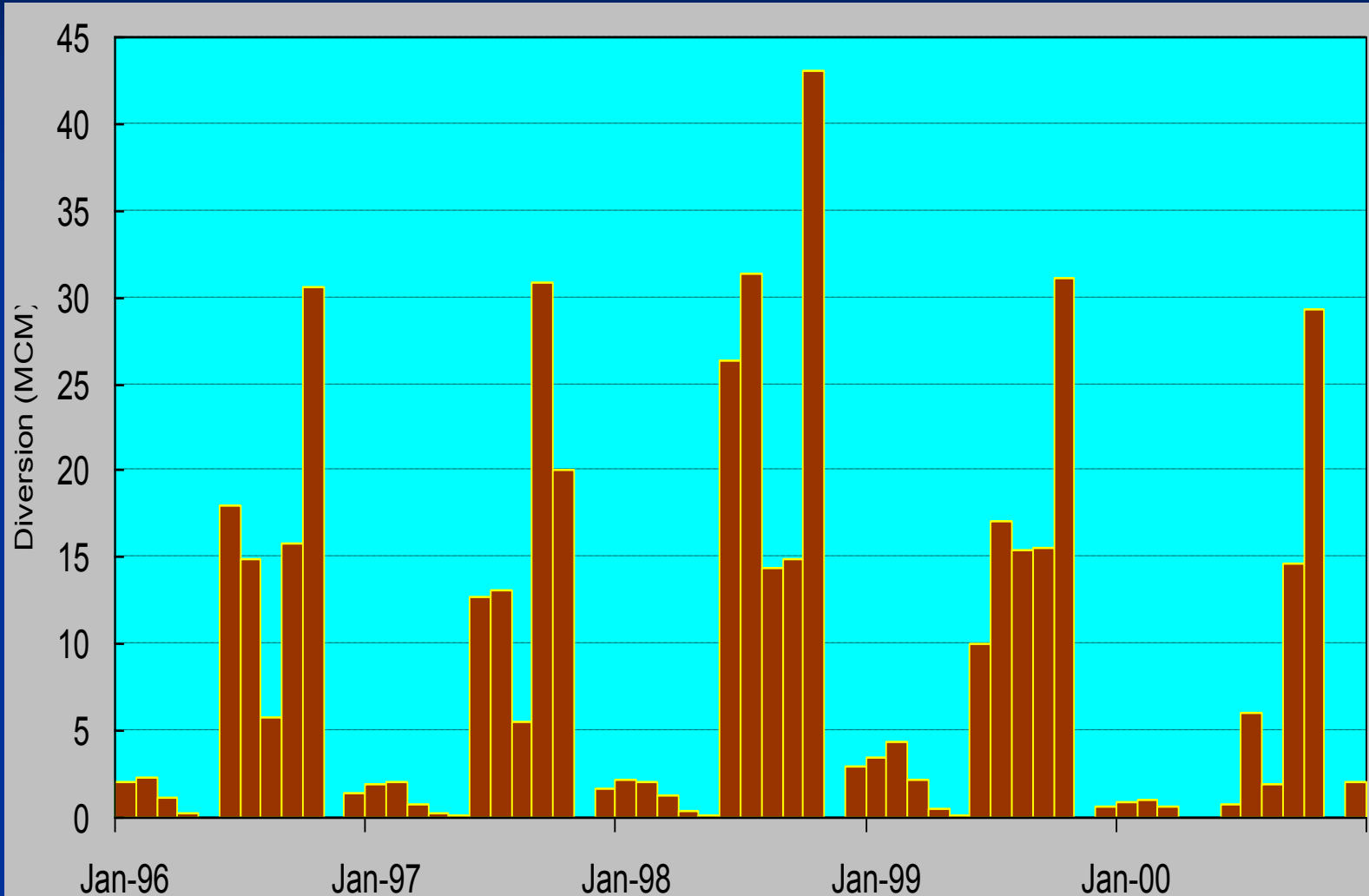
# ***ANNUAL ENERGY GENERATION***



# ***MONTHLY DIVERSION***

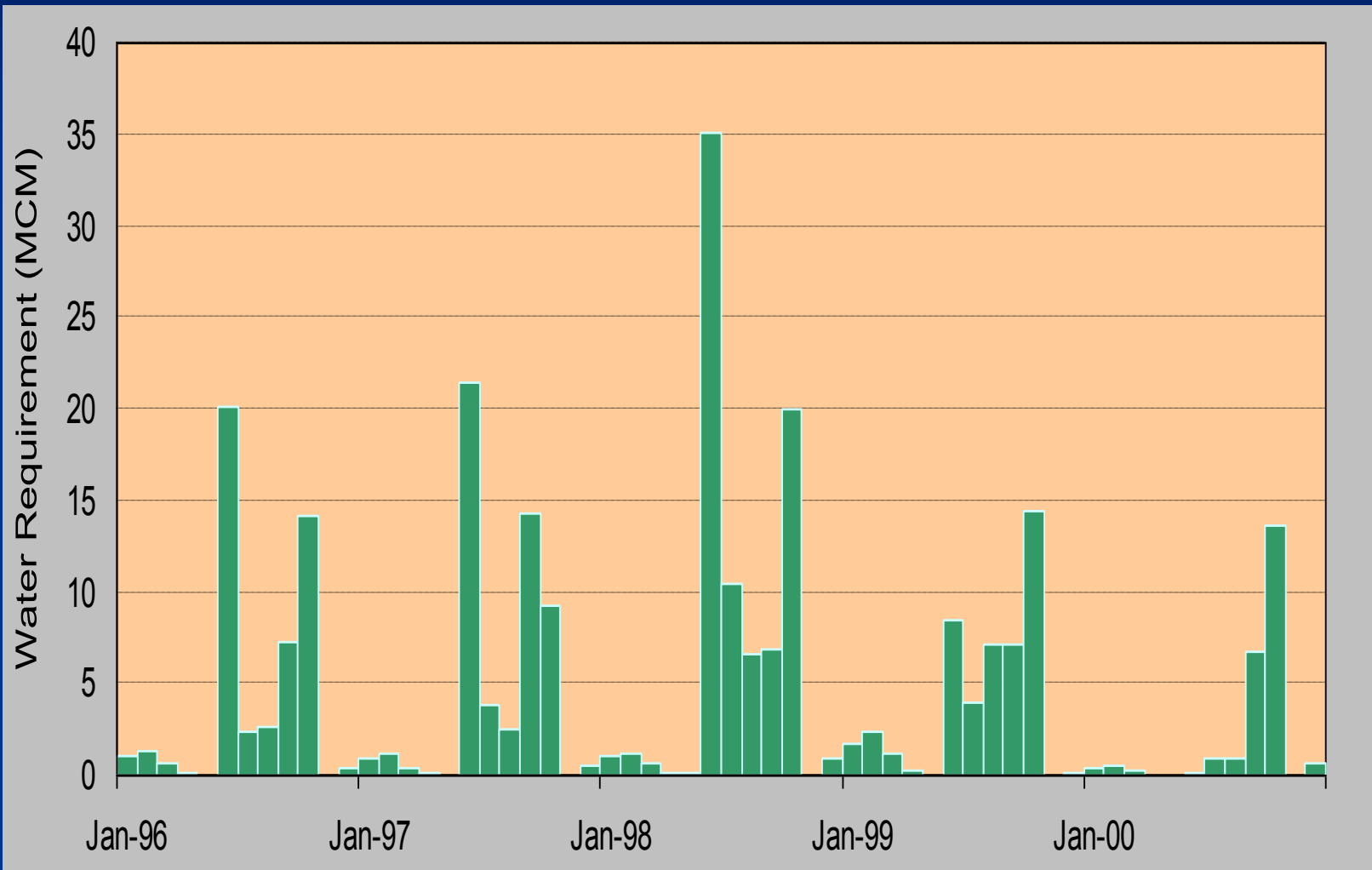


# ***IRRIGATION DIVERSION***

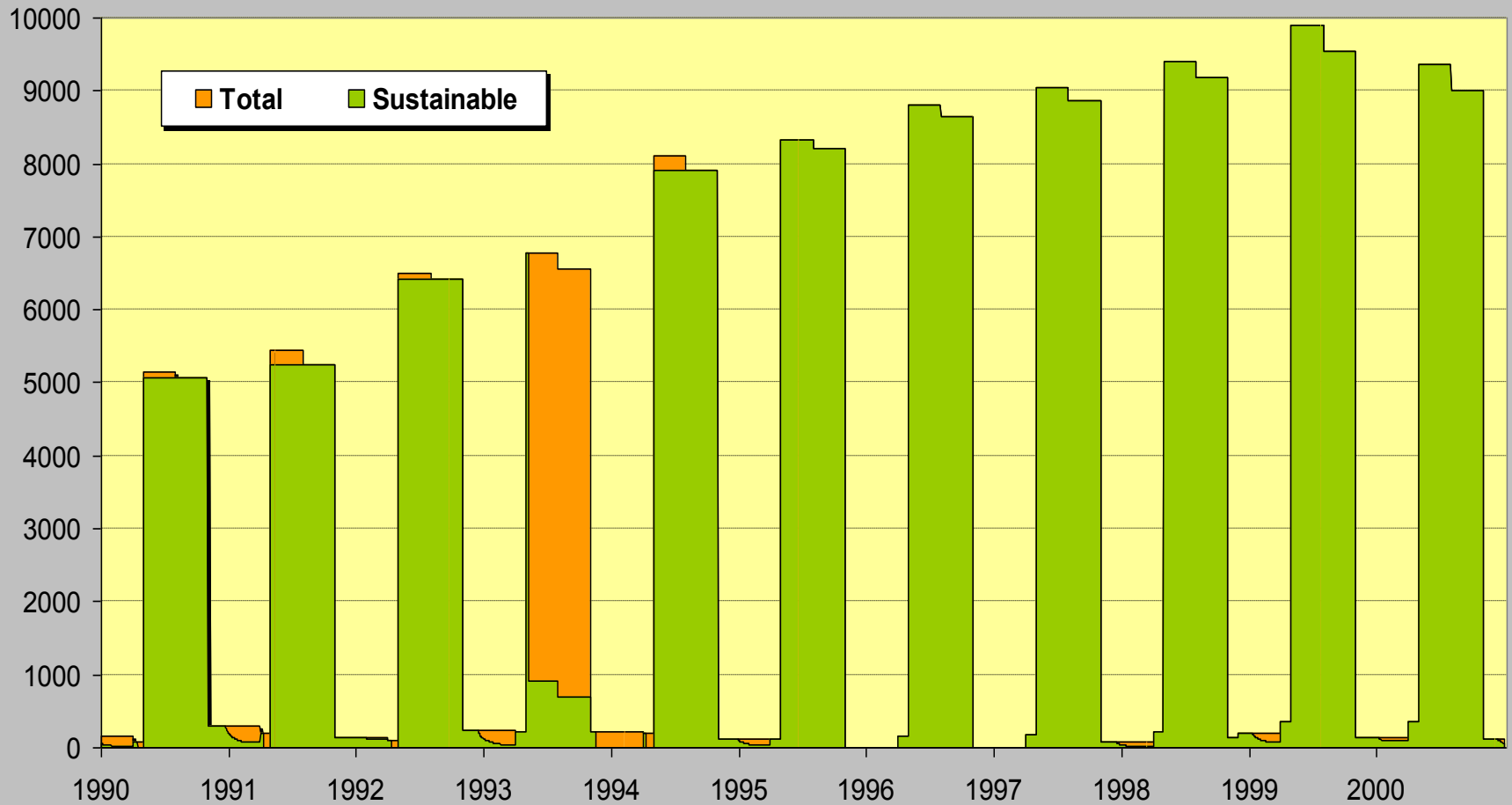




# ***MONTHLY CROP REQUIREMENT***



# ***SUSTAINABLE AREA***





Thank you.