



IOWA DEPARTMENT OF NATURAL RESOURCES
 WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION
 SCHEDULE-3a, Water Systems - Design Capacity Data

Date Prepared _____	Project Name/Description
Date Revised _____	

1. Population:
 a. Existing Population: _____
 b. Design Year: _____ Design Year Population: _____
2. Water Requirements:

A. Consumptive Uses (excluding fire flow)	Existing Demand		Design Year Demand	
	Average Day (gpd)	Peak Day (gpd)	Average Day (gpd)	Peak Day (gpd)
Domestic				
Commercial				
Industrial				
Water Plant				
Unaccounted for losses				
Other (specify):				
TOTAL				

B. Fire Flow Capacity ^[1] at 20 psi Residual Pressure	Existing Capacity		Design Capacity with Improvements	
	gpm	hours	gpm	hours
Residential Minimum				
Maximum				
Commercial Minimum				
Maximum				
Industrial Minimum				
Maximum				

3. Source Capacity	Existing Capacity (gpd)	Design Capacity with Improvements (gpd)
Firm Capacity		
Total Capacity		

4. Treatment Facility Capacity:
 Design Capacity of Existing Facility: _____ gpm
 Design Capacity of Existing Facility with Proposed Improvements: _____ gpm

5. High Service Pumps	Existing Capacity (gpm)	Design Capacity with Improvements (gpm)
Firm Capacity		
Total Capacity		

6. Storage	Existing Capacity (gallons)		Design Capacity with Improvements (gallons)	
	Total	Effective	Total	Effective
Clearwell				
Standpipe				
Elevated				
Pressure Tank				
TOTAL				

^[1]Please note that projects primarily intended for fire flow capacity improvements are ineligible for Drinking Water State Revolving Fund (DWSRF) loans, pursuant to IAC 567—subrule 44.6(2).